

## AquaHeat PEX-A Heating Pipe

# AquaHeat

JOB		REPRESENTATIVE	
ENGINEER		ORDER #	DATE
CONTRACTOR		SUBMITTED BY	DATE
PAGE #		APPROVED BY	DATE

Qty/Length	Part #	Pipe OD	SDR	Comments
			9	
			9	

### Natural PEX-A Heating Pipe with O<sub>2</sub> Diffusion Barrier

The AquaHeat Pex-A pipes are produced from special HMW-HDPE resins. The crosslinking is performed (peroxide method) during the production process, resulting in irreversible cross-links between adjacent P.E. chains. The crosslinking process renders the pipe improved mechanical process such as; resistance to corrosion and pressure at high temperature, exceptional high abrasion and superb chemical resistance, and excellent longevity at high temperatures. Product is coated with oxygen EVOH diffusion barrier which prevents oxygen from entering the heating system through the pipe wall. **Covered by a thirty year manufacturers warranty.**



Technical Data	Value	Unit	Test Standard
Density	938	kg/m <sup>3</sup>	ASTM F-876
Impact Strength (at 20°C) (at 100°C)	No Failure No Failure	KJ/m <sup>2</sup> KJ/m <sup>2</sup>	DIN 53453
Elongation at break (at 20°C) (at 100°C)	350-550 500-700	%	DIN 53455
Tensile Strength (at 20°) (at 100°C)	20-26 9-13	N/mm <sup>2</sup> N/mm <sup>2</sup>	DIN 53455
Max. Op. Temperature	203°F @ 90 PSI (95°C @ 6 bar)		
Pressure Tested	290 PSI (20bar)		

Manufacturing Standards	
ASTM	F-876 / F-877
ASTM	E-84 FLAME SPREAD
ASTM	5106 CHLORINE / UV
ASTM	F-1960 / F-2080
CSA	B137.5 / LM101713
DIN	4726 / 9
IAPMO	C
ICBO	ES ER-5258
NSF	61-PW-G / 14 / RFH

Description	Nominal Size	Average OD	Minum Wall Thickness	Weight lbs/ft	Capacity Gal/ft	Bend Radius
94312 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	3/8"	0.500	0.070"	0.05	0.0050	2.50"
94112 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	3/8"	0.500	0.070"	0.05	0.0050	2.50"
94005 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	1/2"	0.625	0.070"	0.06	0.0098	3.25"
94305 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	1/2"	0.625	0.070"	0.06	0.0098	3.25"
94505 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	1/2"	0.625	0.070"	0.06	0.0098	3.25"
94105 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	1/2"	0.625	0.070"	0.06	0.0098	3.25"
94419 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	5/8"	0.725	0.083"	0.08	0.0134	3.75"
94119 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	5/8"	0.725	0.083"	0.08	0.0134	3.75"
94519 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	5/8"	0.725	0.083"	0.08	0.0134	3.75"
94222 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
94102 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
94322 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
94522 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
94122 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
94228 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	1"	1.125	0.125"	0.17	0.0316	5.75"
94128 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	1"	1.125	0.125"	0.17	0.0316	5.75"
94328 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	1"	1.125	0.125"	0.17	0.0316	5.75"
94528 Natural PEX-A With O <sub>2</sub> Diffusion Barrier	1"	1.125	0.125"	0.17	0.0316	5.75"